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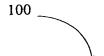
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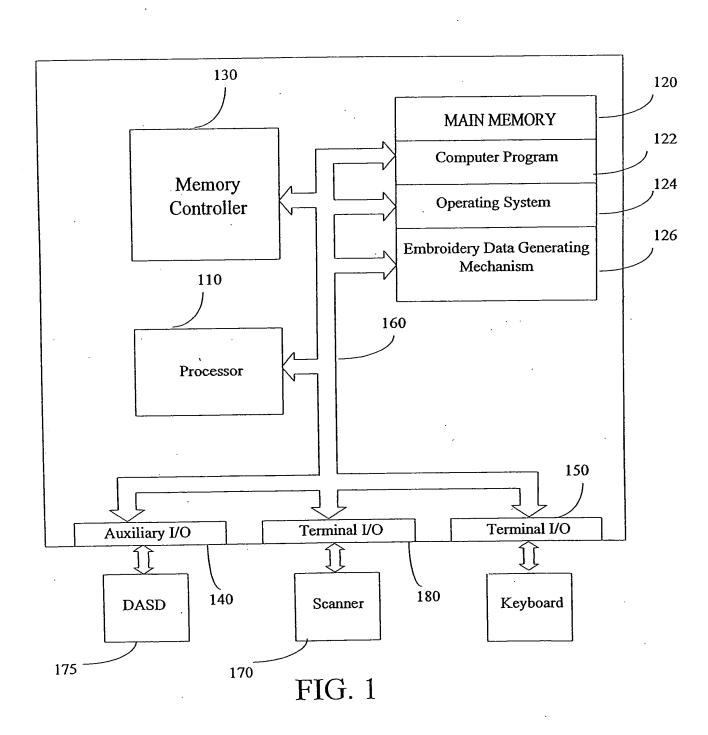
Title: "Automatically Generating Embroidery Designs From a Scanned Image"

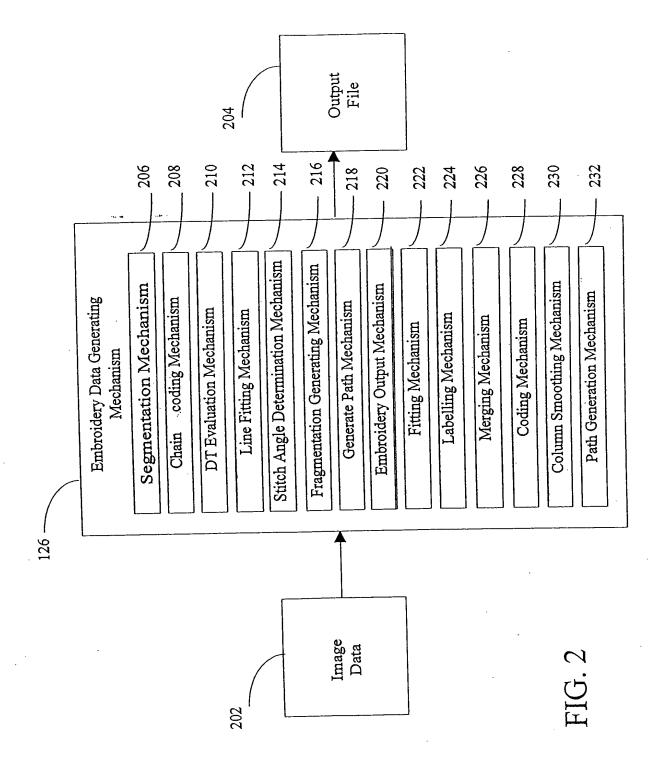
Inventor: David A. Goldman Grossman & Flight, LLC FIG. 1

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Title: "Automatically Generating Embroidery Designs
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Inventor: David A. Goldman
Grossman & Flight, LLC
FIG. 3

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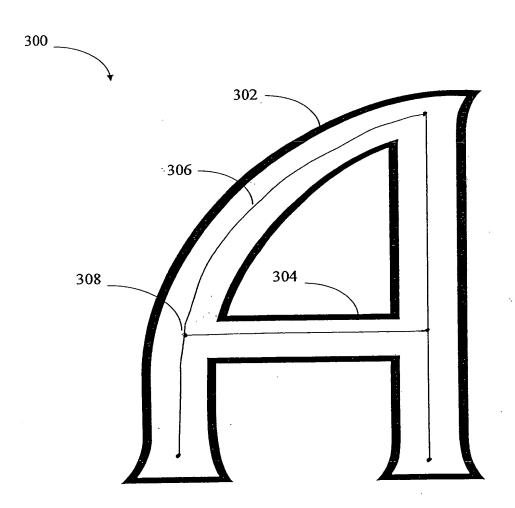


FIG. 3

Grossman & Flight, LLC Tel. 312.580.1020 FIG. 4 Page 4 of 16 400\_ 402 Read Embroidery Data Segment Data into 404 Objects 406 Chain-code objects FIG. 4 408 Classify object as thick or thin 410 422 Line detect edge contours Is object thick? and skeleton contours Ν 424 YES Label contour points into 412 categories Line detect contours Simplification and 426 interpretation of 414 Choose scan angle interfering columns or strokes 428 416 Evaluate singular regions Generate fragments using surrounding regularities 418 430 Determine order to sew Remove discontinuity fragments among consecutive stroke normals 420 432 Create embroidery output Generate satin stitch file control points

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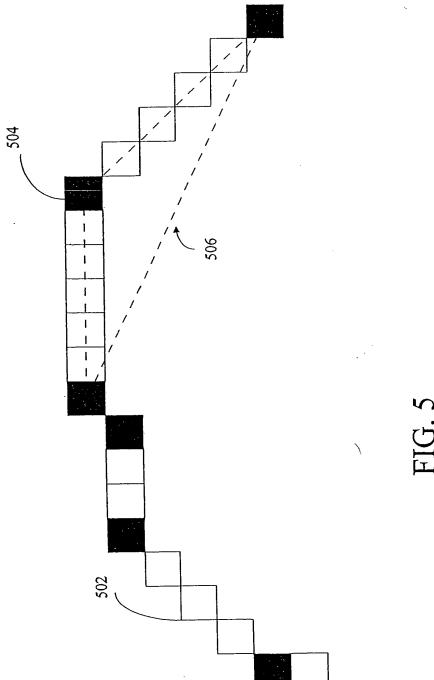
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Title: "Automatically Generating Embroidery Designs
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Inventor: David A. Goldman
Grossman & Flight, LLC
FIG. 5

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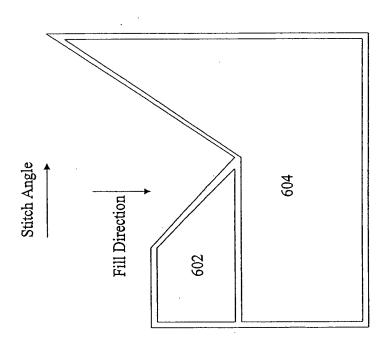
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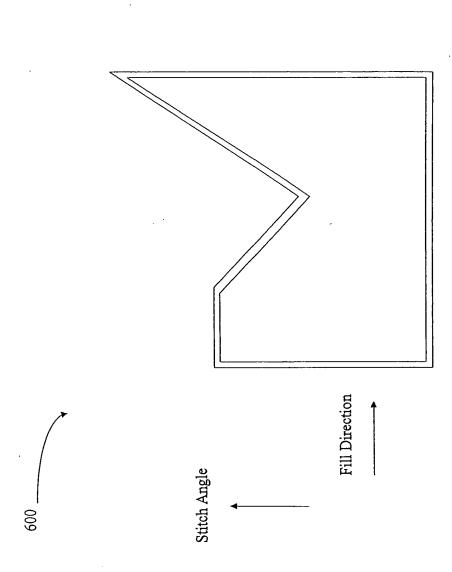
Title: "Automatically Generating Embroidery Designs
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Grossman & Flight, LLC
FIG. 6a

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Title: "Automatically Generating Embroidery Designs
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Inventor: David A. Goldman
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FIG. 6b
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Title: "Automatically Generating Embroidery Designs From a Scanned Image" Inventor: David A. Goldman Grossman & Flight, LLC FIG. 7

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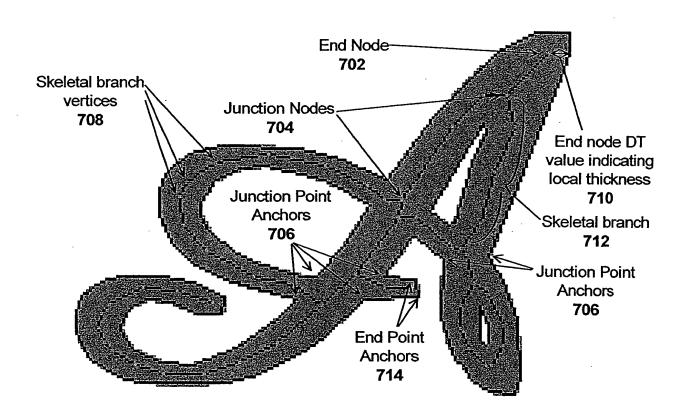


FIG. 7.

Title: "Automatically Generating Embroidery Designs From a Scanned Image" Inventor: David A. Goldman Attorney Docket: 20 Grossman & Flight, LLC FIG. 8

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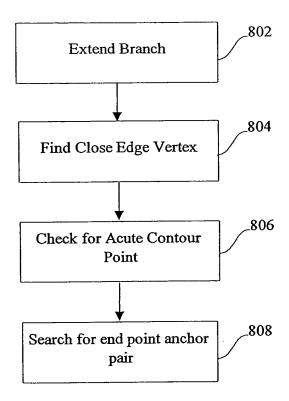


FIG. 8

Title: "Automatically Generating Embroidery Designs From a Scanned Image" Inventor: David A. Goldman Attorney Docket: 200

Inventor: David A. Goldma Grossman & Flight, LLC FIG. 9 Attorney Docket: 20060/10001A Tel. 312.580.1020

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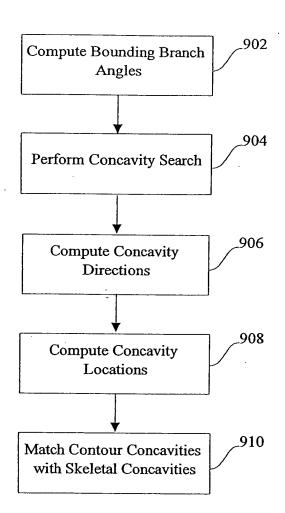


FIG. 9

Inventor: David A. Goldman Grossman & Flight, LLC FIG. 10

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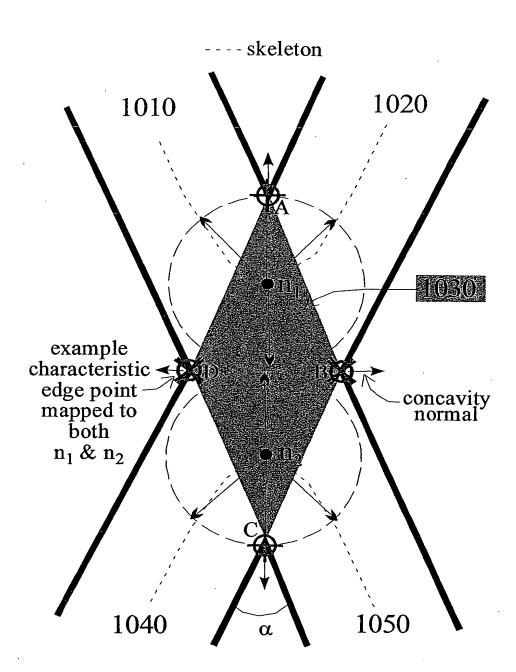


FIG. 10.

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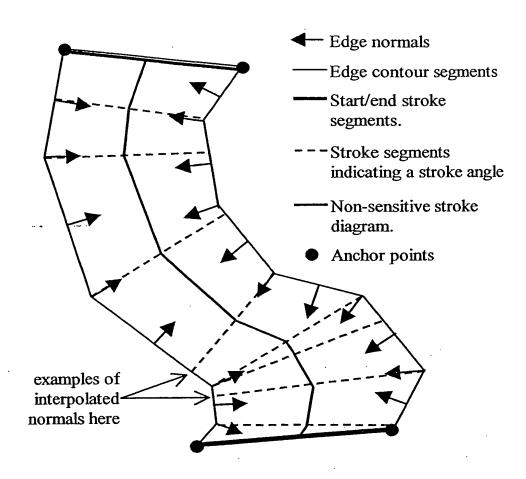


FIG. 11.

Title: "Automatically Generating Embroidery Designs From a Scanned Image"

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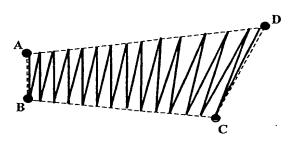


FIG. 12a.

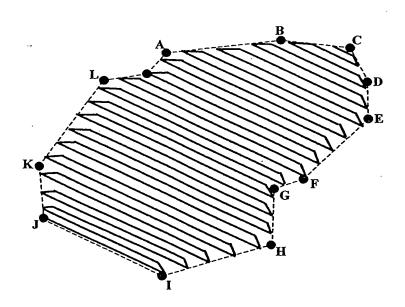


FIG. 12b.

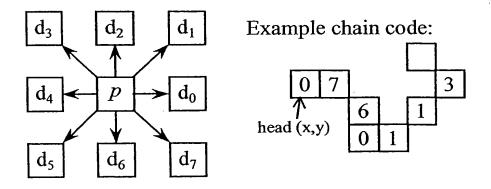


FIG. 13.

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FIGS. 14a, 14b

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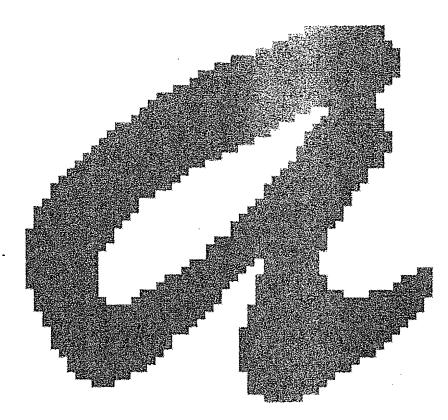


FIG. 14a.

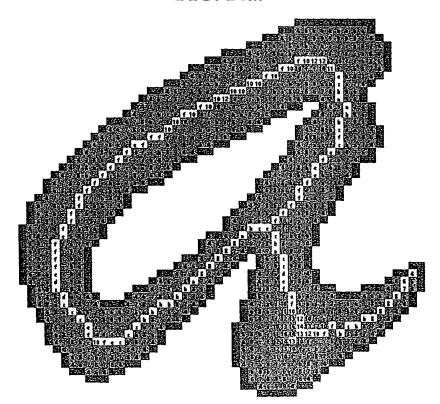


FIG. 14b.

Title: "Automatically Generating Embroidery Designs

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FIGS. 15a, 15b

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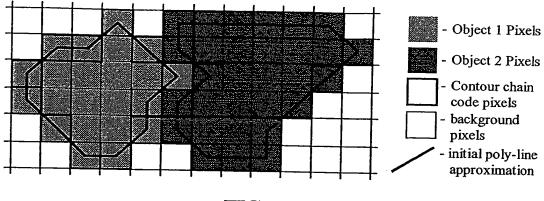


FIG. 15a.

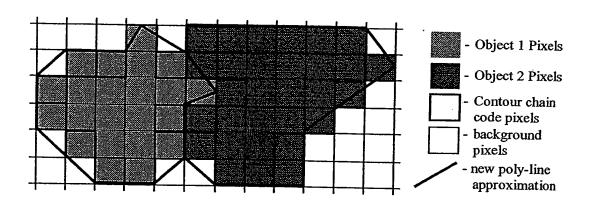


FIG. 15b.

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FIG. 16

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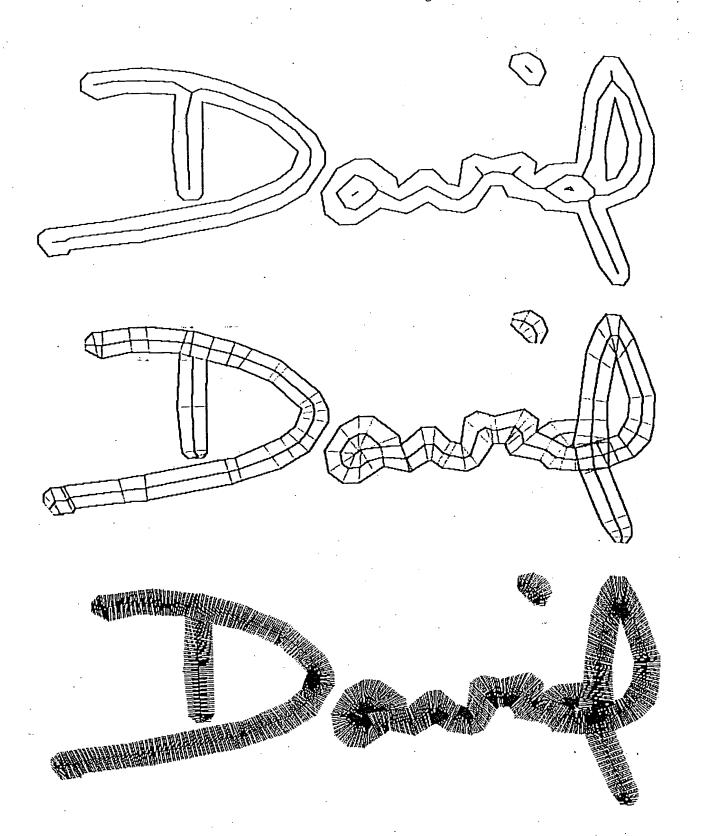


FIG. 16